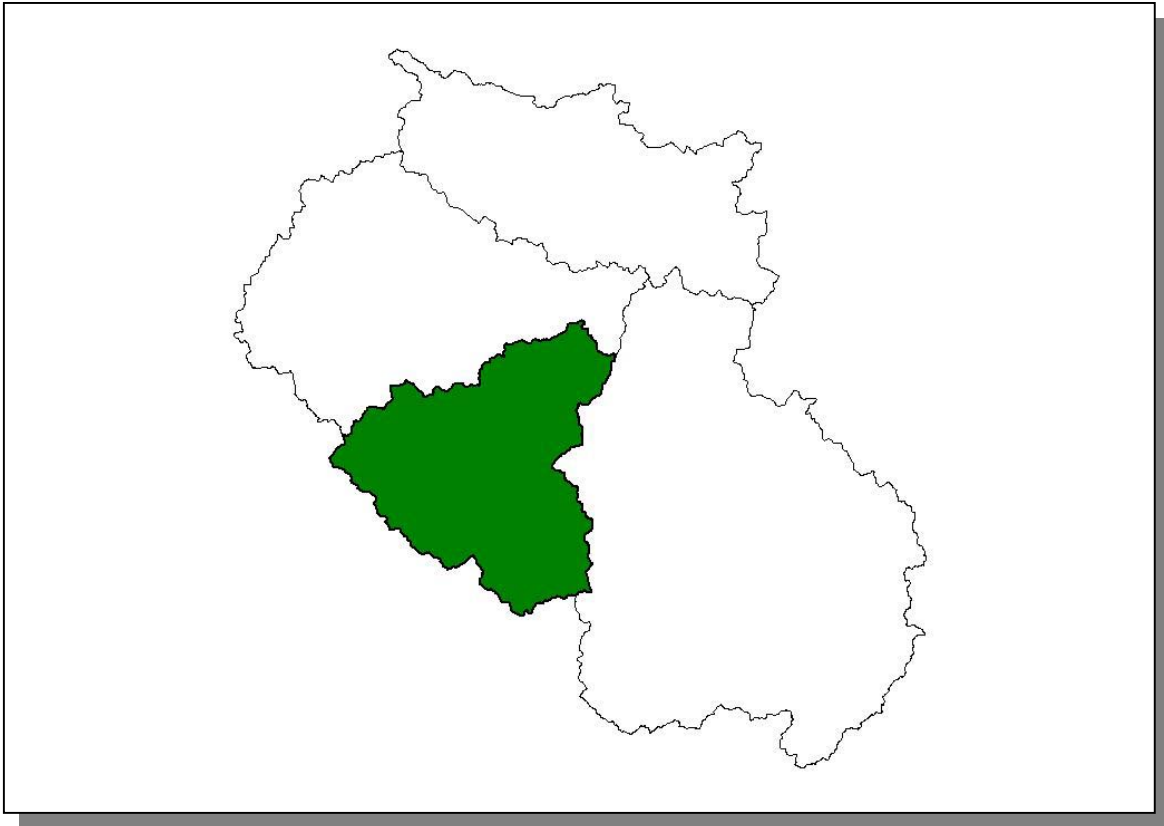
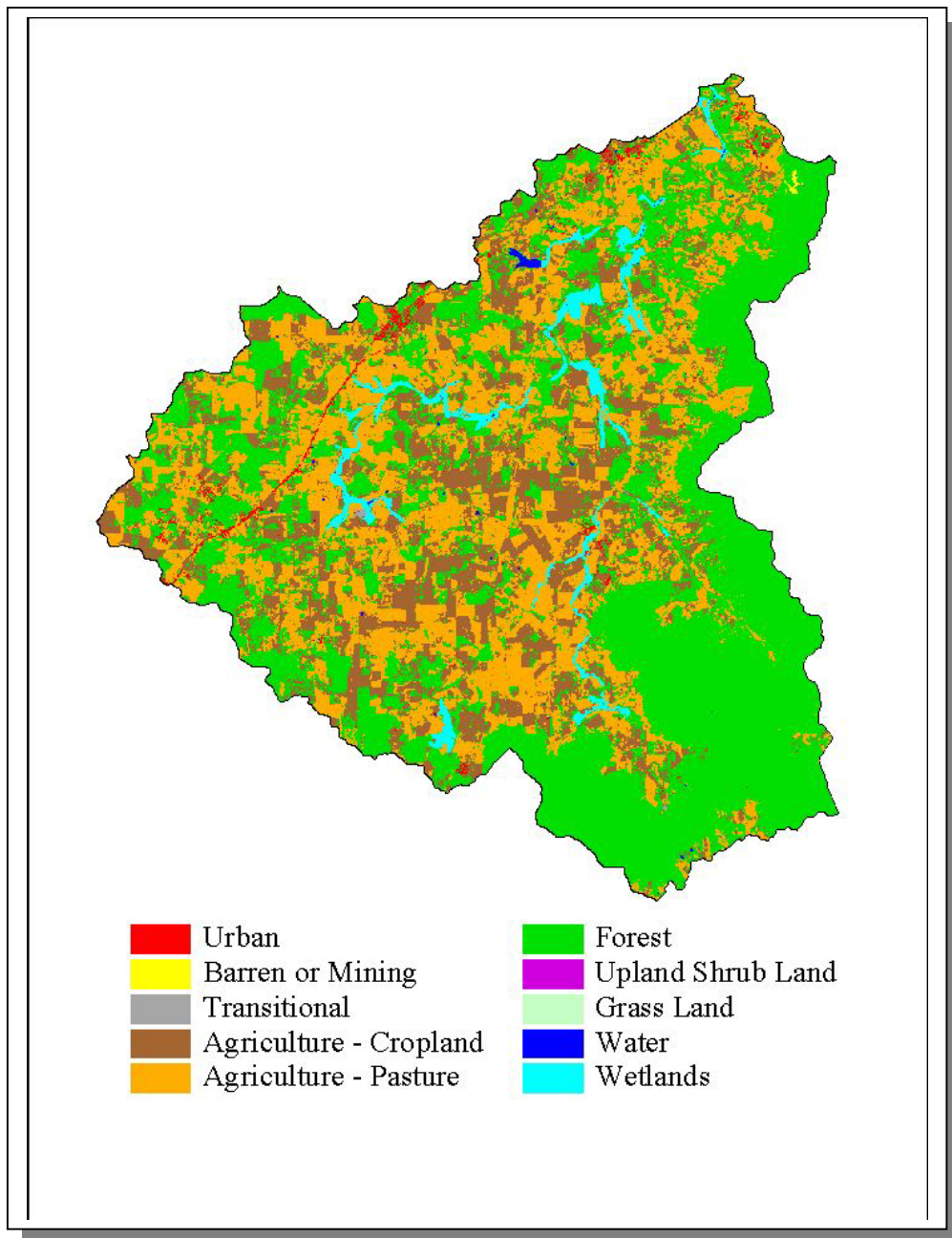


**4.2.C. 0513010703.**

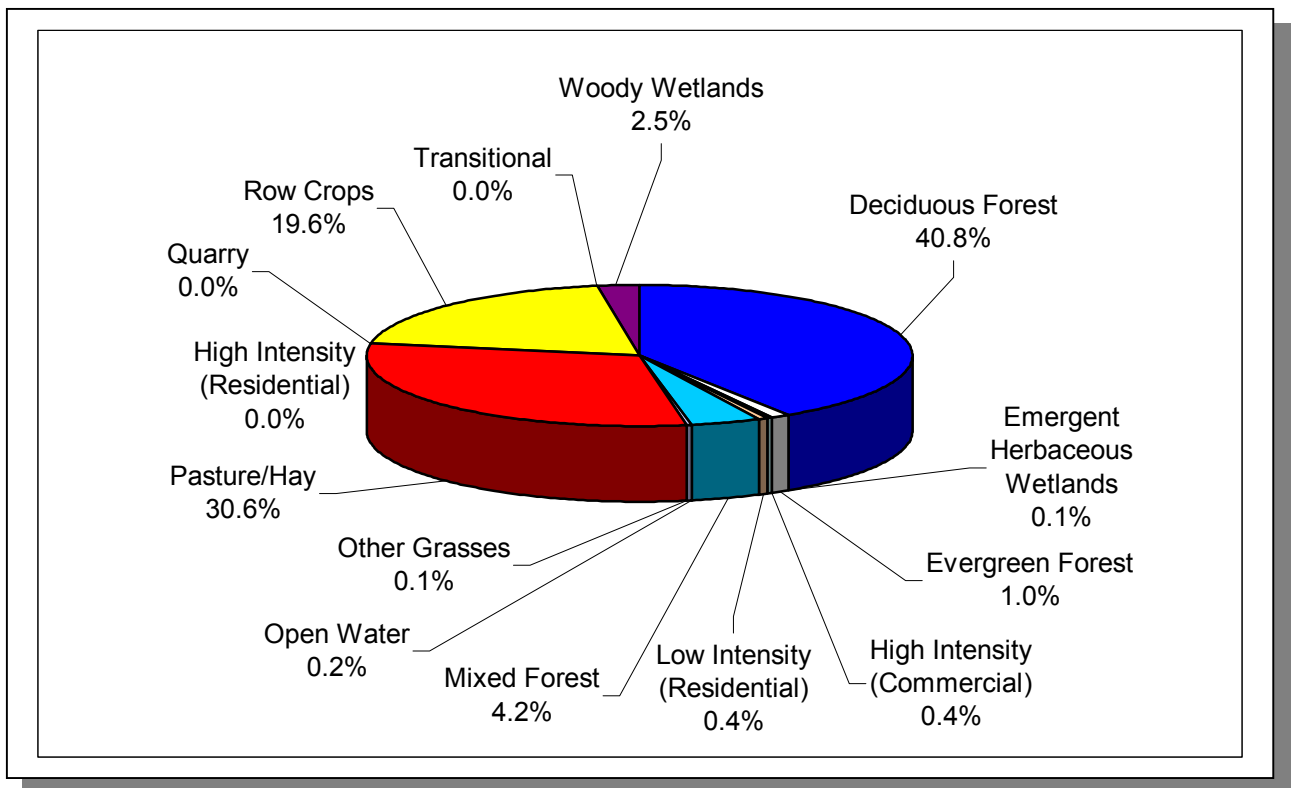


**Figure 4-23. Location of Subwatershed 0513010703.** All Collins HUC-10 subwatershed boundaries are shown for reference.

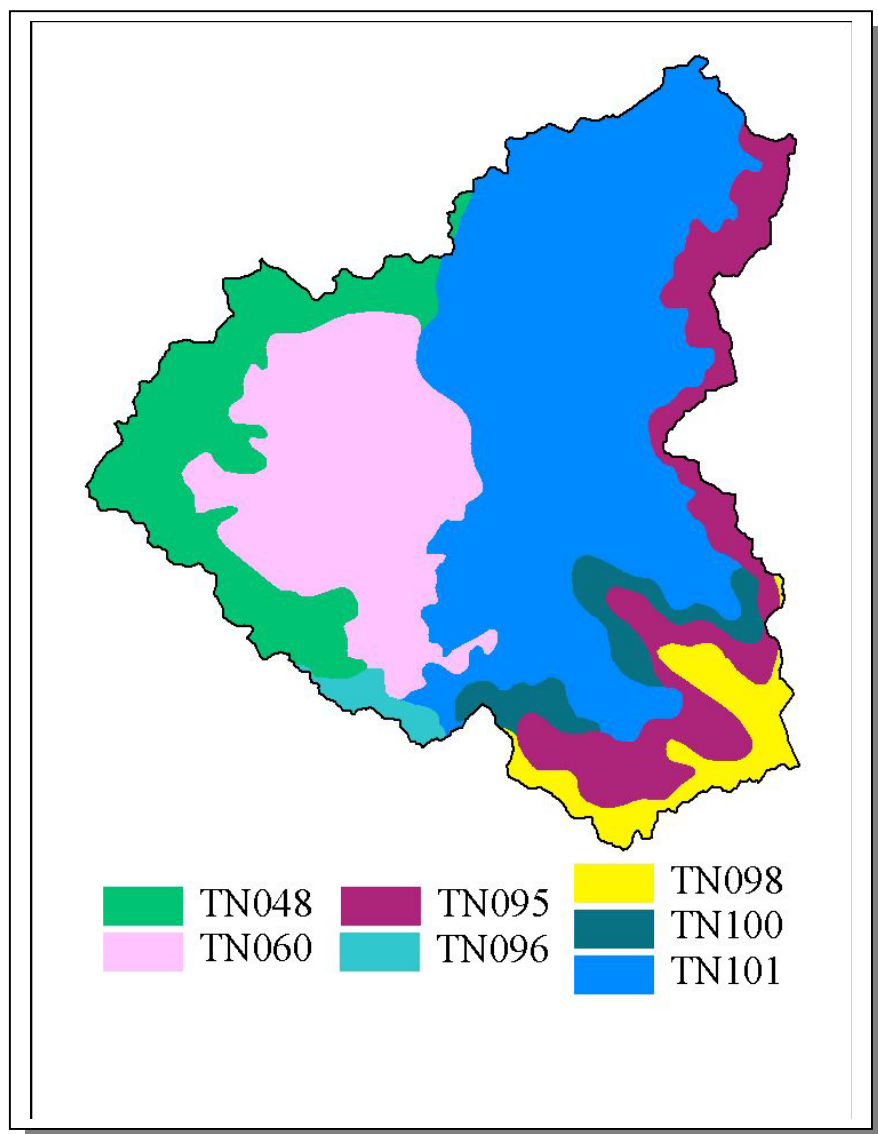
4.2.C.i. General Description.



**Figure 4-24. Illustration of Land Use Distribution in Subwatershed 0513010703.**



**Figure 4-25. Land Use Distribution in Subwatershed 0513010703.** More information is provided in Collins-Appendix IV.



**Figure 4-26. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0513010703.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN048	8.00	C	1.38	5.06	Silty Loam	0.42
TN060	5.00	B	1.30	5.32	Silty Loam	0.39
TN095	0.00	B	2.35	5.12	Loam	0.31
TN096	1.00	C	1.22	5.16	Silty Loam	0.38
TN098	1.00	C	3.98	4.82	Loam	0.32
TN100	0.00	B	1.14	3.35	Silty Loam	0.21
TN101	0.00	B	1.71	5.39	Loam	0.35

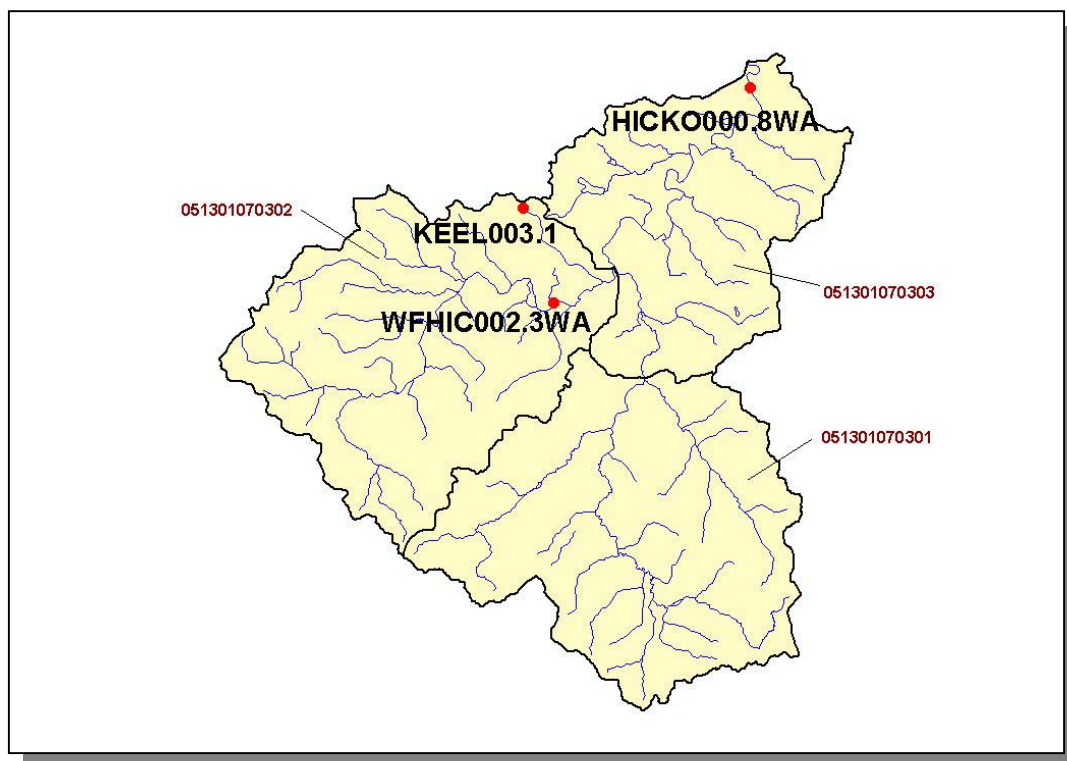
**Table 4-14. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0513010703.** More information is provided in Collins-Appendix IV.

County	COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		% CHANGE
	1990	1997 Est.		1990	1997	
Coffee	40,339	45,347	10.72	4,324	4,861	12.4
Grundy	13,362	14,012	8.27	1,104	1,158	4.9
Warren	32,992	35,777	12.83	4,233	4,590	8.4
<b>Total</b>	<b>86, 693</b>	<b>95,136</b>		<b>9,661</b>	<b>10,609</b>	<b>9.8</b>

*Table 4-15. Population Estimates in Subwatershed 0513010703.*

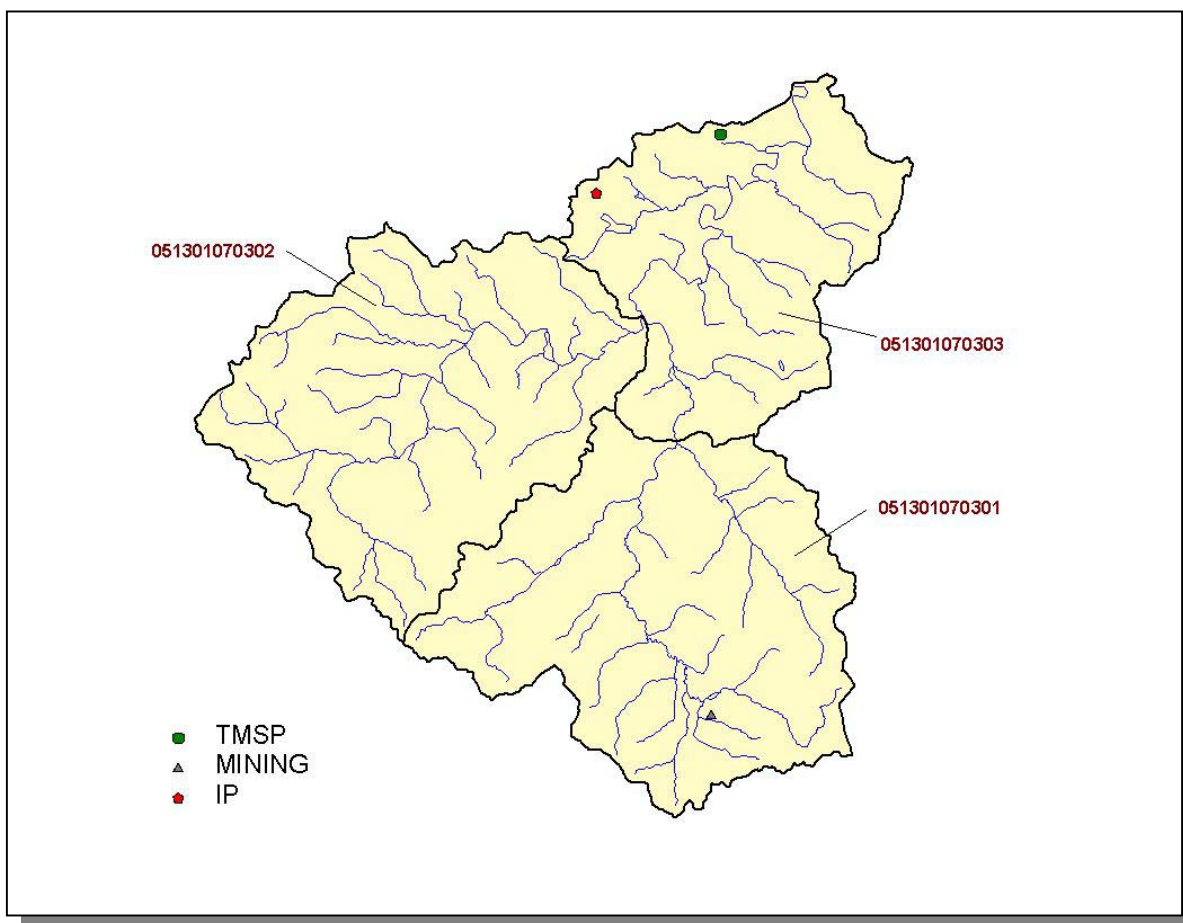
Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
McMinnville	Warren	11,194	5,123	4,746	353	24
Morrison	Warren	557	235	195	37	3
Viola	Warren	123	53	2	48	3
<b>Totals</b>		<b>11,874</b>	<b>5,411</b>	<b>4,943</b>	<b>438</b>	<b>30</b>

*Table 4-16. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 0513010703.*



**Figure 4-27. Location of STORET Monitoring Sites in Subwatershed 0513010703.** Subwatershed 051301070301, 051301070302, and 051301070303 boundaries are shown for reference. More information is provided in Collins-Appendix IV.

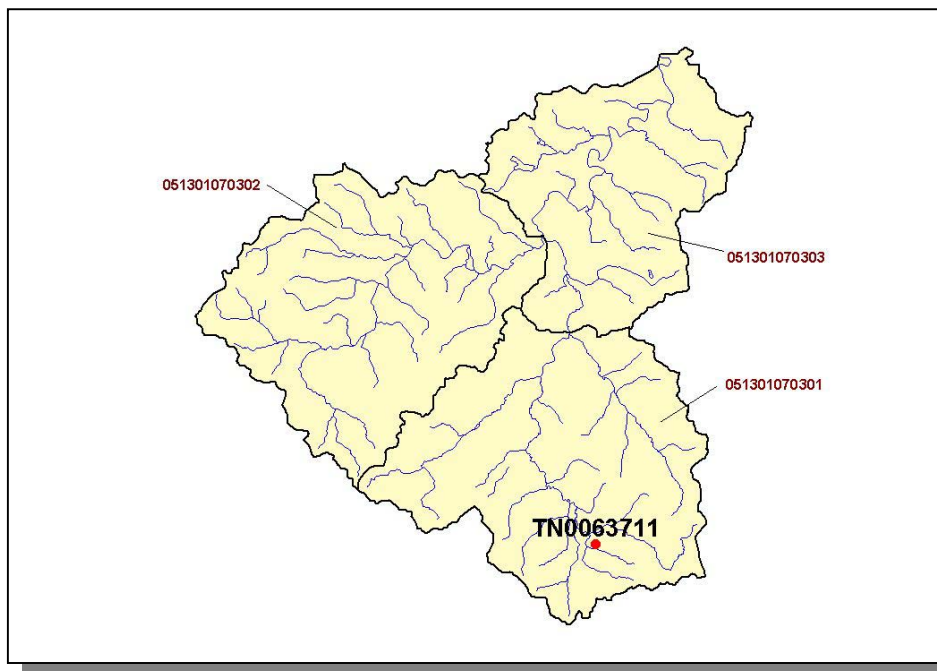
**4.2.C.ii.** Point Source Contributions.



**Figure 4-28. Location of Active Point Source Facilities in Subwatershed 0513010703.** Subwatershed 051301070301, 051301070302, and 051301070303 boundaries are shown for reference. More information is provided in the following figures.

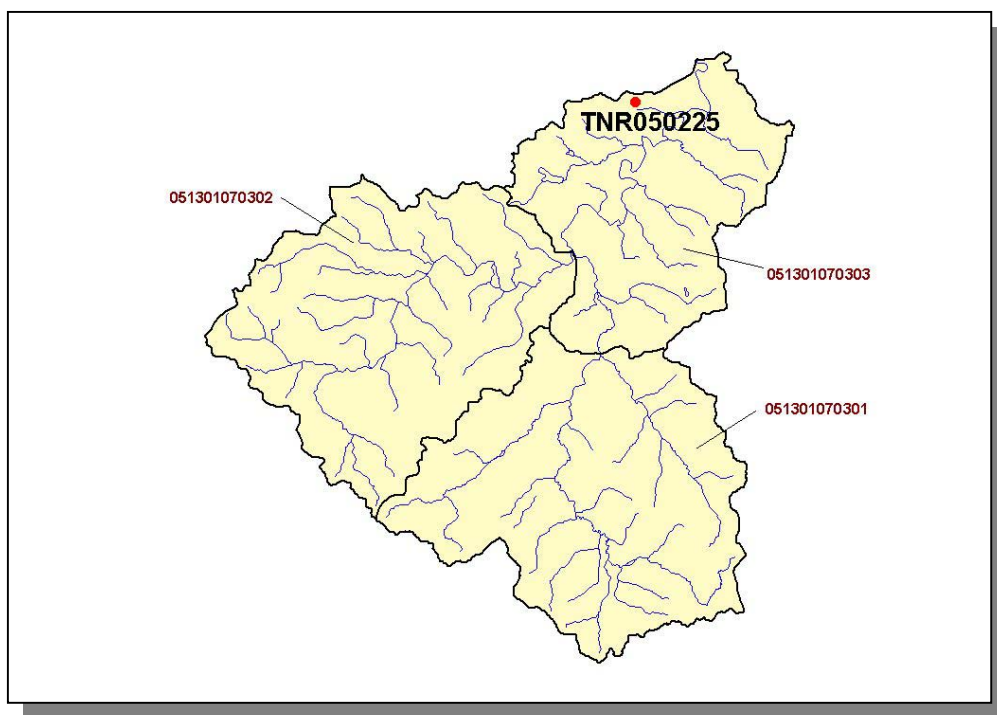


**Figure 4-29. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 0513010703.** Subwatershed 051301070301, 051301070302, and 051301070303 boundaries are shown for reference. More information, including the names of facilities, is provided in Collins-Appendix IV.



**Figure 4-30. Location of Active Mining Sites in Subwatershed 0513010703.** Subwatershed 051301070301, 051301070302, and 051301070303 boundaries are shown for reference. More information, including the names of facilities, is provided in Collins-Appendix IV.





**Figure 4-31. Location of TMSF Facilities in Subwatershed 0513010703.** Subwatershed 051301070301, 051301070302, and 051301070303 boundaries are shown for reference. More information, including the names of facilities, is provided in Collins-Appendix IV.

**4.2.C.iii.** Nonpoint Source Contributions.

<b>LIVESTOCK (COUNTS)</b>						
Beef Cow	Cattle	Milk Cow	Chickens	Chickens Sold	Hogs	Sheep
5,880	13,366	976	13	3,008,668	1,206	62

**Table 4-17. Summary of Livestock Count Estimates in Subwatershed 0513010703.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

County	<b>INVENTORY</b>		<b>REMOVAL RATE</b>	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Coffee	114.4	114.2	2.8	12.7
Grundy	174.5	165.9	5.6	17.7
Warren	93.6	93.6	2.4	10.1
<b>Totals</b>	<b>382.5</b>	<b>373.7</b>	<b>10.8</b>	<b>40.5</b>

**Table 4-18. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 0513010703.**

<b>CROPS</b>	<b>TONS/ACRE/YEAR</b>
Corn (Row Crops)	8.69
Soybeans (Row Crops)	14.24
Nonagricultural Land Use	0.00
Legume (Hayland)	0.10
Grass (Hayland)	0.75
Grass (Pastureland)	0.82
Grass, Forbs, Legumes (Mixed Pasture)	0.42
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.18
Cotton (Row Crops)	4.03
Other Vegetable and Truck Crop	4.37
Other Cropland not Planted	6.68
Wheat (Close Grown Cropland)	11.80
Conservation Reserve Program Land	0.24
Other (Horticultural)	10.75

**Table 4-19. Annual Estimated Total Soil Loss in Subwatershed 0513010703.**